

"METHOD AND APPARATUS FOR DETECTING AND CORRECTING INVALID TEST DEFINITION DATA"

Inventors: Robert S. Kolman, et al.

Atty. Docket No.: 10030573-1

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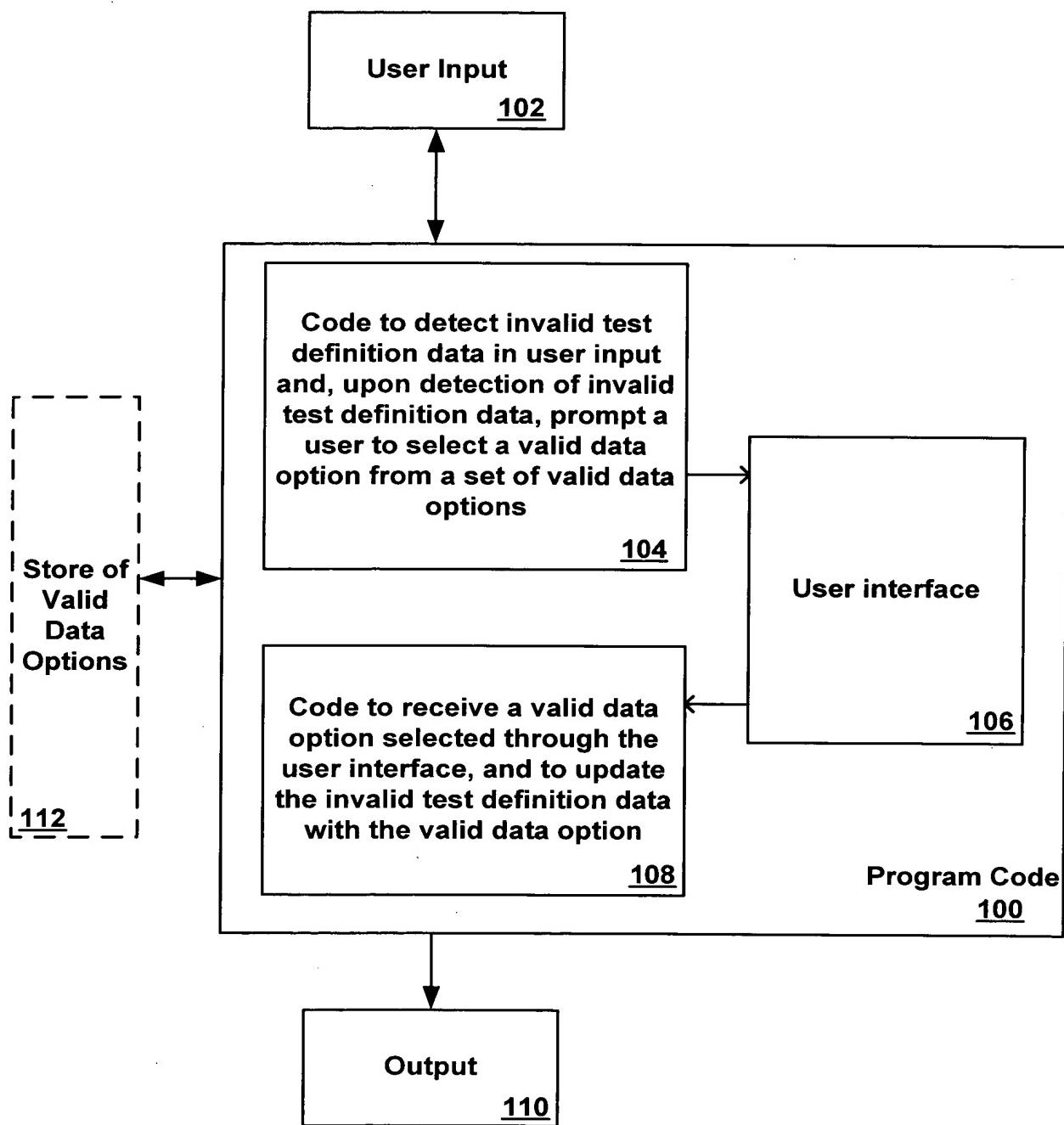


FIG. 1

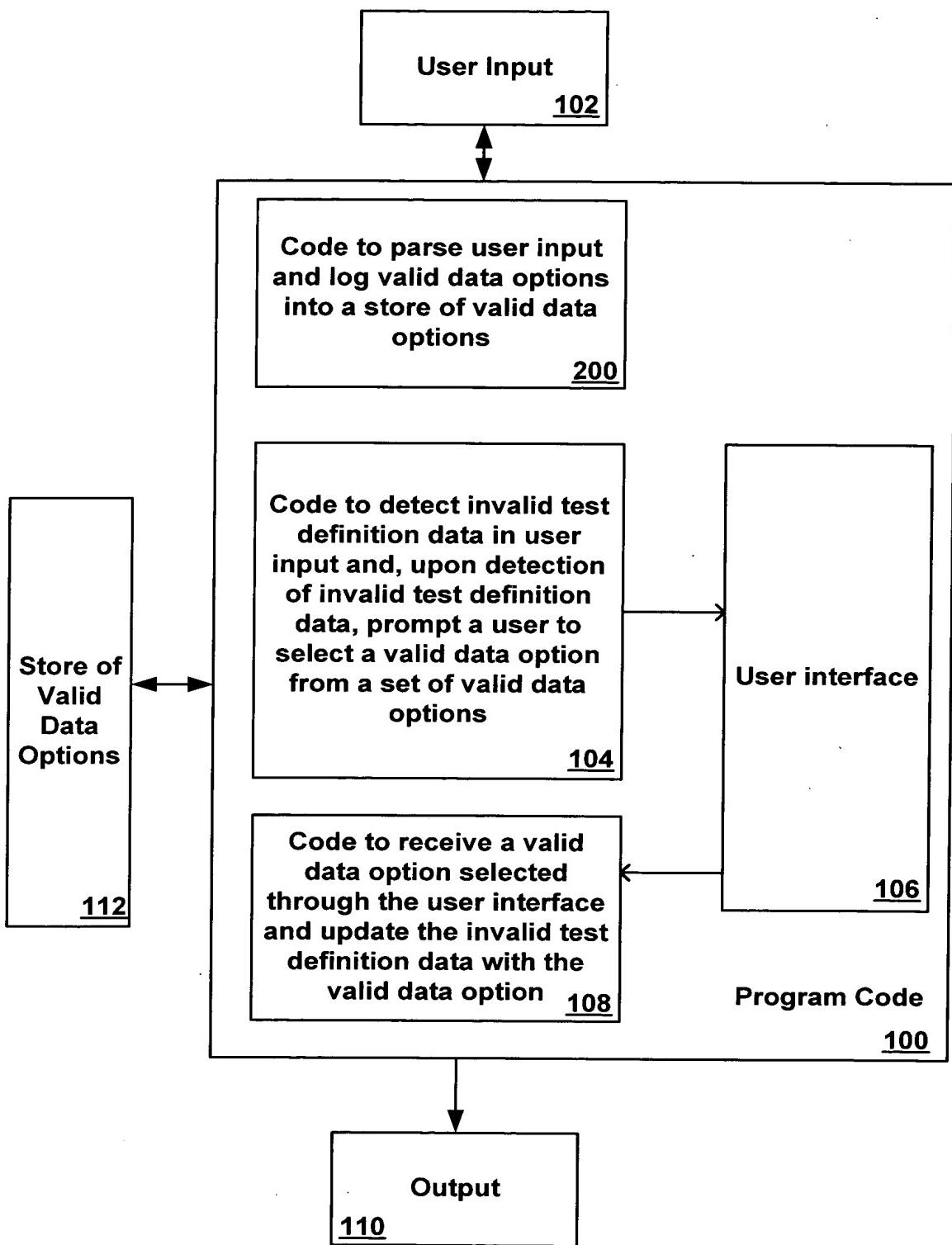


FIG. 2

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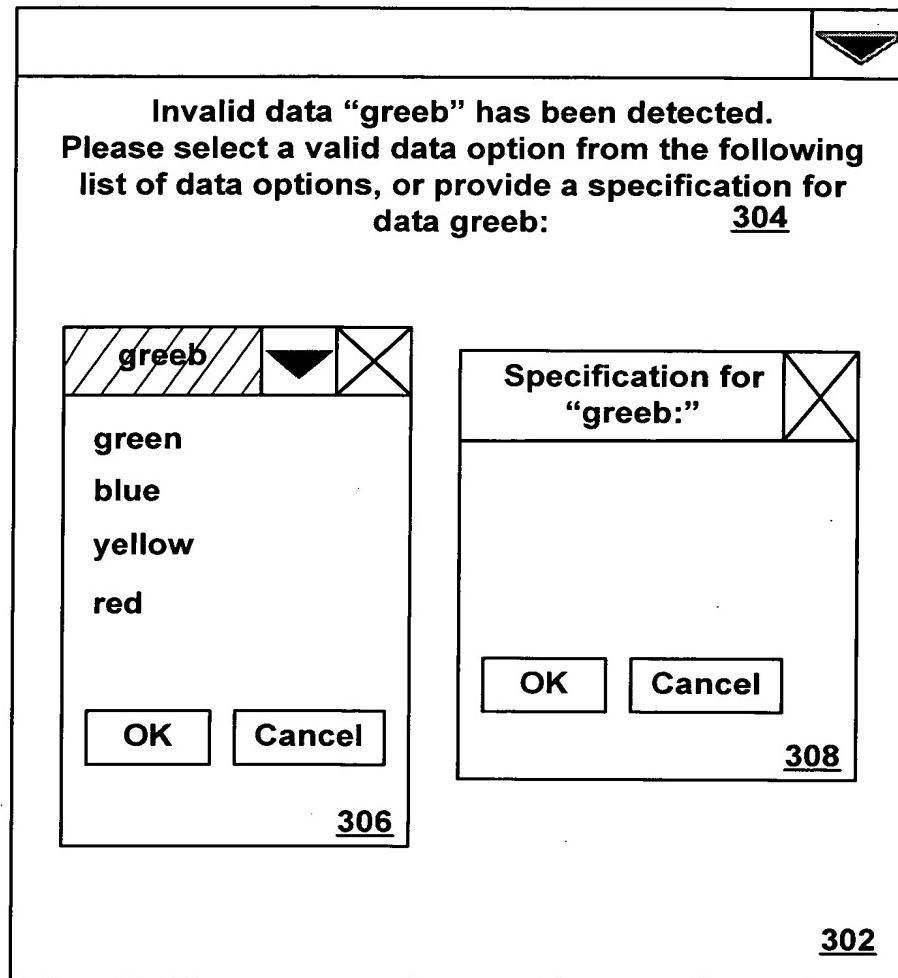


FIG. 3

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Parse user input to detect invalid test definition data in  
the user input

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Upon detecting invalid test definition data, prompting a  
user to select a valid data option from a set of valid data  
options

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Upon receiving a valid data option selected from the set of  
valid data options, updating the invalid test definition data  
with the valid data option

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Generating circuit test data structures to control an  
automated circuit tester

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FIG. 4

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**Parse source code for generating circuit test data structures, to identify type name definitions and enumeration constant definitions contained in the source code**

**Generate a string table from the identified type name and enumeration constant definitions**

**Link the string table to an input validation and error messaging portion of the source code to i) cause the source code to index the string table upon detection of invalid test definition data in user input, and then ii) cause a set of valid data options retrieved from the string table to be displayed to a user for user selection**

**FIG. 5**